



National Aeronautics and Space Administration



GeoDome Portable Planetarium

Understand your home and your future in our universe. Go on a journey through time and space to explore how NASA satellites have paved the way to a better understanding of Earth. See how Earth has changed through time and what those changes may tell about the future Earth.
11:30am–4:30pm, with shows on the half hour.
Max capacity: 30 per show.



Strange New Planet (Room W120, A&B)

Simulate a telescopic observation, flyby, and orbit of a new planet. See firsthand how changing technology and new missions enable NASA to learn more about objects in the solar system over time and to even observe changes happening before our very eyes.
Every hour.



Change in the Universe Made Our Home!

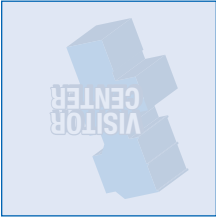
Explore how change over the lifetime of a large star creates a brilliant explosion and the materials required for life here on Earth! Learn about the connections between supernovae and the elements that make up you and me.
Every half hour.



www.nasa.gov



Science on a Sphere
See science in a whole new way in the captivating *Science on a Sphere* visualization system. *Science on a Sphere* is a suspended 6-foot diameter sphere that displays animated data and images of the planets, Moon, Earth, Sun, and other objects from our universe.
Shows at 11:30, 12:15, 1:00, 1:45, 2:30, 3:15, 4:00.



A View from the Top
Connect live with NASA's Digital Learning Network! Join us for a live and interactive videoconference to learn how NASA uses satellites to explore planet Earth.
Noon, 1:00, 2:00, 3:00.



Earth Science Tic-Tac-Toe
Get hip to Earth science while playing the classic game.
Ongoing.



Hands-on Exploration of Earth
Become a NASA scientist by exploring satellite images of Earth to investigate the impact of rising temperatures.
Every half hour.

Have a staff member stamp the box next to each activity you complete. (More activities on back panel.)

go explore!

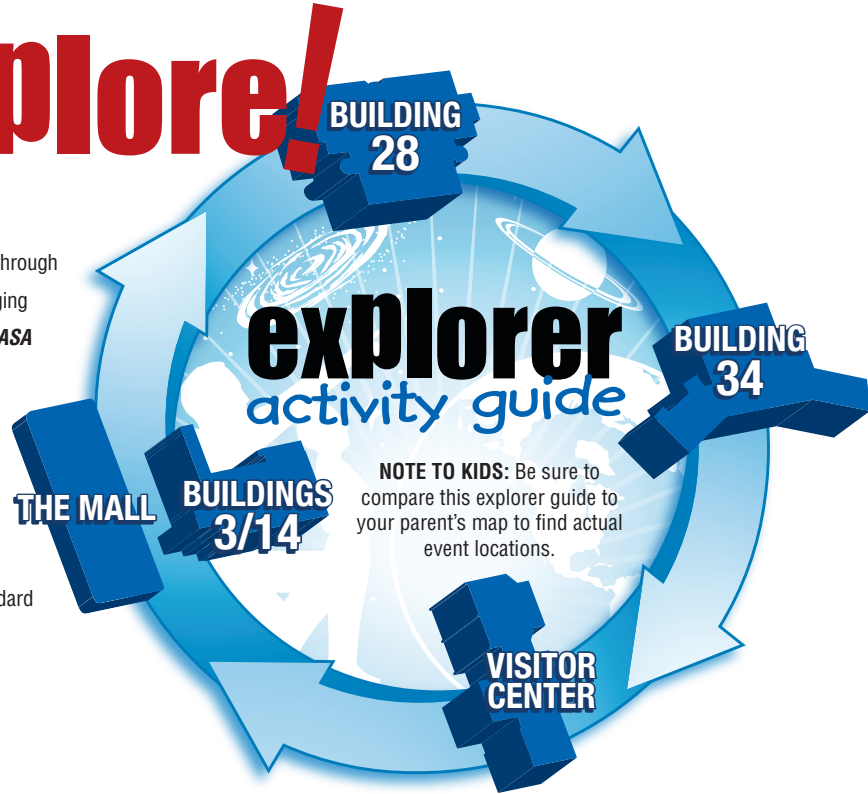
ready, set...**explore!**

Become a NASA Explorer!

Become a NASA Explorer! The map you hold in your hands is your guide to a journey through **Explore@NASA Goddard**. Navigate the Zones on the map as you investigate our changing planet, solar system, and universe. Complete the activities with the help of **Explore@NASA Goddard** staff. After you have completed an activity, you will receive a NASA stamp.

The stamps are your gateway to awesome NASA prizes. One stamp gets you a NASA tattoo, three gets you a NASA wristband, and five stamps or more will get you an Earth ball that transforms into a cool bag.

Redeem your stamped maps for prizes at one of three locations (Building 28, Goddard Visitor Center, Mall [tent 37]). Use your parents' program to find these locations.



go **explore!**

Arctic Sea Ice Explorers

Through the use of ICESat images, see how Arctic sea ice has been declining over the last several years.

Every half hour.

Experience a Thermal Infrared Camera

Discover how infrared technology helps scientists understand your home planet and home universe.

Every half hour.

Event Evaluation

Help us evaluate our event. We appreciate your feedback.

Goddard's Aerosol Science and Instrument

Learn about aerosols using advanced field instruments from NASA's Micro Pulse Lidar Network. Experiment with your own measurements.

Ongoing.

Population and Pollution

Explore the relationship between nitrogen dioxide and population density in various cities.

Every half hour except 1:00, 3:00, and 3:30.

Global Temperature Investigators

Figure out for yourself what is happening to Earth's global average temps. Help investigate changes in Earth's temperatures since the 1800s.

Every hour on the half hour.

What Causes an Aurora?

See how solar storms can impact Earth's magnetic field to create auroras.

Every hour.

How Tall is That Tree?

Measure heights of trees and compare your findings with state-of-the-art measurements from scientists.

Every half hour.